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Tree planting check list.

Plant coniferous trees in the early spring soon after the frost leaves the ground.

Plant trees the same day they arrive if possible

Keep tree roots moist and covered at all times until

Plant trees about 13 millimetres (one-half inch) deeper than the original depth at which they grew in the nursery. (Look for change in colour on the stem.)

Pack soil around tree roots with your heel.

Protect plantation from fire, grazing, rodents, insects and disease.

This brochure outlines the steps to follow to begin successfully a plantation of forest trees.

The Ministry of Natural Resources has collected seed, sown it and gone to great lengths to place in your hands good-quality trees in a healthy

Whether these trees grow into a thriving plantation, increasing annually in value, depends mainly on you.

Extra care — to ensure that the tree roots do not dry out and are planted properly in the spring - will do much to lessen expensive refilling.

On request, Ministry field staff may make inspections and advise you on plantation problems.

For this service, contact your local District Administrative Centre of the Ministry of Natural Resources.

Steps to successful tree planting.

Inspection.

Open package and check trees for quantity and condition. The needles should be areen and moist but free from mould. If necessary, water the tree roots.



Storage for 2 to 3 days.

The maist package of trees may be stored for two or three days in a cool, shaded spot. Keep the tree roots moist and plant the trees as soon as possible.



Storage for more than 3 days.

For longer storage, dig a V-shaped trench in a well drained, shaded spot. Spread bundles along one side of the trench. Cover the roots with soil and pack with your heel. Water the roots as needed

For long periods, break the bundles and spread trees along one side of the trench. Proceed as above



PREVENT FOREST FIRES

Steps to successful tree planting.

Transportation.

Carry trees to the planting area in a container such as a pail or tub, partly filled with water. During planting, carry trees in a pail containing two or three inches of water. Use damp moss or wet burlap for extra protection of trees in transit.



Planting by machine.

The use of a machine should be considered where more than 2 hectares (5 acres) are to be planted at one time. (Slopes too steep or stony for safe tractor operation must be planted with hand tools.) For type, availability and cost of machines, contact the local office of the Ministry of Natural Resources.



Planting by hand.

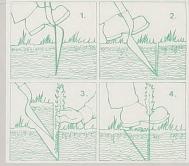
Vegetative competition is the most common reason for mortality of newly-planted tree seedlings. Prepare the planting area by ploughing furrows at the desired spacing or by removing a one-foot square of sod from each planting spot. Chemicals, such as herbicides, are very effective in vegetation control either before or after planting. Contact the local office of the Ministry of Natural Resources for detailed information.



Hand planting method.

The wedge method of planting is best for most Ontario conditions.

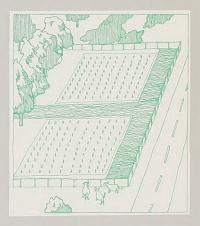
- Tramp shovel straight down into soil with back of shovel away from you.
- 2. Make sloping cut with back of shovel towards you.
- Remove wedge of soil. Place tree in hole with roots against vertical face.
- 4. Return wedge. Tramp soil around tree with your heel.

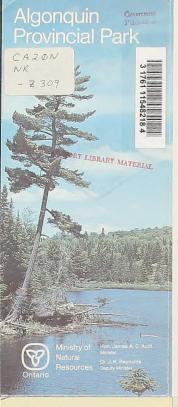


Care after planting.

To guard against fire, leave 6 metres (20 feet) of space along the edge of plantations bordering travelled roads. This "fire guard" must be cultivated and kept free of vegetation. For every 4 hectares (ten acres) of trees, leave a 7 metre (23-foot) wide strip down the middle of the plantation and at right angles to the main road. This space provides a fire guard and access for future cutting.

Fence the plantation if grazing by livestock is a risk. Tree guards or chemical repellants may be used to discourage browsing by rodents. During spring and summer, inspect trees periodically for insect, disease and rodent damage. Apply to the local office of the Ministry of Natural Resources for detailed information on control measures.





TWO ALGONOUINS TO CHOOSE FROM

THE PARK INTERIOR

The essence of Algonquin is its vast interior of maple hills, rocky ridges, spruce bogs, and thousands of lakes ponds, and streams. The only way to explore this rugged beauty is by canoe or on foot.

Canoe Routes There are over 1500 km of canoe routes in the Park interior. Descriptions of these routes, and other information needed by the Algonquin canocist are provided in the map-brochure described overleaf. The map-brochure is available for \$1,00 at the gates or the Canoe Centres, located a Canoe Lake and Opeongo Lake. The Canoe Centre staffs will be glad to provide you with advice and instruction on the arts of canoeing and camping

Hiking Trails The Highland Hiking Trail (with 19 and 35 km loops) and the Western Uplands Hiking Trail (with 32, 55, and 71 km loops) both start from Highway 60. Both are shown in the same map-brochure, (see order

Interior Camping Permits Anyone camping overnight in the Park Interior must possess an Interior Camping Permit costing \$3.00 per night per canoe, or in the case of backpackers, \$3.00 per night per tent. An Interior Camping Permit authorizes camping at definite campsites, designated by posters, and generally located at least three km beyond any access point No more than nine individuals are permitted to camp at one interior campsite. Larger parties may travel together but they must break



Welcome

Welcome to the oldest provincial park in Ontario and one of the largest parks in Canada. Located on the southern edge of the Canadian Shield between Georgian Bay and the Ottawa River, the 7600 square km of Algonquin Provincial Park straddle the highlands which have become one of Ontario's favourite recreational areas. Here in this land of lakes, rivers, and forests, Algonquin provides unexcelled opportunities for outdoor recreation and education. Here, not far distant from the populous centres of southern Ontario, is the call of a loon echoing from rocky lake shores, the sunset silhouetting a solitary pine, a moose submerging his massive head to feed on water lily roots, and a beaver forging a rippling wedge across a glassy pond. A fish splashes, a fox barks, and a broad-winged hawk calls as it sails over the forest A chipmunk, tail erect, streaks across a clearing and plunges into the protection of the forest undergrowth Here and there in the forest, the shade is relieved by splashes of sunlight and carpets of bunchberry. A rayen croaking from a perch in a tall yellow birch, surveys the scene of thick maple foliage relieved occasionally by the green spires of spruce and balsam. Two canoeists camped on a quiet lake pause from their evening coffee to drink in the wild music of wolves wafting over the hills. This is Algonquin Provincial Park.

History

The Algonquin landscape as we know it today is young. It was exposed just 11,000 years ago when the last of four stupendous glaciers slowly melted norththe land, crushing it under as much as three km of ice. When it finally departed, the ice revealed a barren landscape of rocky, rounded hills, huge deposits of sand and gravel, and thousands of lakes. Slowly the land was colonized, by arctic tundra plants at first, followed by spruce and pine and soon afterwards by the other tree species which make up the forests of Algonquin. In the western two-thirds of the Park, hardwood forests of sugar maple, beech, and yellow birch covered the hills, with groves of hemlock here and there, and scattered giant white pine towering up through the hardwoods. In the drier and sandier eastern part of Algonquin the forests were of white pine, red pine, and jack pine. Throughout the Park, black spruce bogs developed in low lying, poorly drained areas, lending a northern flavour to the

Like all forests, those of Algonquin were disturbed from time to time by wind, insect outbreaks, and fire Indeed these agents of change were normal and vital parts of the primitive environment. Since many kinds of trees depended on such disturbances for regeneration, the composition of the old forests would have

been quite different without them. Poor soils, harsh climate and the whims of fire and insects combined to create the shifting mosaic of deciduous and coniferous forests so typical of Algonquin. For most of the history of this living, dying, and slowly but constantly changing wilderness, man was not a very important element. He was represented by scattered bands of Indians who came to fish, hunt and pick berries, but his numbers were never large

It was not until the mid-1800's that this began to change. Pioneer loggers pushing up from the Ottawa Valley reached Algonquin in search of the great white pine trees whose prime wood was increasingly in demand by an expanding British economy. With nothing but axes, and forced to live in remote, primitive camps, the men felled the giant pine, quared them, and when spring came drove the timber down to the Ottawa River and the outside world. At first it seemed the supply of big pine would last forever. But each year more and more men came to "hurl down the pine" and each year they pushed farther and farther into the wilderness.

By the time the Park was created in 1893, most of Algonquin's big pine had been cut and fires fuelled by pine slash had ravaged large areas. Algonquin was not established, therefore, to preserve part of the primitive environment, which had already been significantly altered, but rather to serve as a wildlife sanctuary and, by excluding agriculture, to protect the headwaters of the five major rivers which flow from the Park. It was not intended to stop logging for pine, which at that time was the only commercially valuable species.

Soon afterwards, the government allowed the cutting of other tree species and ever since Algonquin has been providing a wide variety of forest products ranging from yellow birch veneer, to red pine pole: to pulpwood, and logs for lumber and furniture. The wealth generated from Algonouin forests is the

Management

For much of the logging history of Ontario and Algonquin Park little or no thought was given to the future of a forest once it had been logged. Now, all the accessible productive forest land in the province (including the Park) is under management and for this purpose is divided into forest management units

The forester tries to achieve two things. First, he helps nature to grow the greatest and most valuable possible volume of wood as quickly as possible. greater than the amount grown in the same period. In



this way, much as a farmer does with his crops, the

produce the same high volume of wood forever.
At the same time, Algonquin is a Provincial Park, and as such, is dedicated to you, the people of Ontario and our visitors, for your healthful enjoyment and education. The Park accordingly has regulations designed to minimize conflict betw roads and logging operations on the one hand, and recreational use on the other. Roads are restricted in width and kept away from shorelines and portages whenever possible. Logging is not permitted in the vicinity of major canoe routes in the summer months, and never in other areas containing features of exceptional scientific, historic, or educational Algonquin Park are relatively new but they have been growing rapidly. Several years ago, what is now the Ministry of Natural Resources came to realize that a great deal of information and careful analysis were needed if all the demands placed on Algonquin Park were going to be met. The Ministry therefore conducted studies on a wide range of Park subjects - from the carrying capacity of canoe routes to the location of rare plants. It also sought, and accepted, most of the recommendations of an advisory committee set up to examine the issues and conflicts raised by the demands placed on the park. This information was used in determining the extent and area and management policies are set forth in the Algonquin Park Master Plan, released in 1974. Logging is now restricted to 75% of the Park and is carried out by the Algonquin Forestry Authority, a Crown Corporation set up in 1975.

Fishing

KOJ 2MO.

Wildlife

tailed deer

and the scarlet tanager.

Lying as it does in the transition zone between

uthern broadleaf forests and northern coniferou

mammals typical of both major forest types. Among

and spruce grouse are found along with such southers

species as the rose-breasted grosbeak, brown thrasher,

Among mammals, more northern animals such as the wolf, the moose, and the fisher occur along with southern species such as the raccoon and the white-

The latter animal, incidentally, was very rare or even

growth of young trees and in the primitive Algonquin environment, disturbances such as fire did not occur

frequently enough to keep a high enough percentage of Algonquin in young forest. This and the deep snows of

Algonquin winters combined to make life very difficult for deer, so in those days moose, and possibly caribou,

were more typical of Algonquin. The destruction of many parts of the original forests by loggers and the

multiplied spectacularly. More than a generation of Ontario residents came to associate Algonquin Park

with the sight of deer coming to the roadside to accept

Today, with almost total fire suppression and modern

forest management, far less deer food is being created

deer's range. In other words we are seeing a return to the original conditions where deer were very rare and it

is highly unlikely that Algonquin will ever again have

the tremendous numbers of deer it had in the 1940's

and the deer population has declined drastically -here and everywhere else in the northern part of the

fires they started brought about a distinct improvement in conditions for deer which then

altogether absent in Algonquin Park before the coming of the pioneer loggers. Deer feed on the low

birds, this mingling of north and south is especially striking. Such northern birds as the raven, gray jay,

forests, Algonquin Park is the home of many birds and

Algonquin lakes are cold and deep, rich in oxygen, but poor in nutrients since they lie on the hard precambrian rocks of the Canadian shield. Such waters do not lend themselves to rapid growth of most

fish, but they are ideal for trout.

Lake trout are found in most of the larger lakes and speckled trout occur in these and many of the smaller lakes as well. Small-mouthed bass are not native, but have been established in many of the lakes along Highway 60. Pike, maskinonge, and walleye are found only in the extreme northeastern part of the Park. (including lake and fish listings) can be obtained in the

TWO ALGONOUINS TO CHOOSE FROM

THE HIGHWAY 60 CORRIDOR

For those who desire a less strenuous holiday, camping,

section of the Park.

Park Season Most Park facilities operate from late April or early May to mid-October. Highway 60 is nevertheless open all year round and the Park may be used in the off season although most services are not

Permits Anyone entering Algonquin Park and using Park facilities along Highway 60 requires a vehicle permit (either daily for \$2.00 or annual for \$20.00) or a allows you to camp in an organized campground and costs \$5.50 per night at Tea Lake, Rock, Coon, and Opcongo, and \$6.00 at all other car campgrounds along

With the exception of vehicles driving straight through the Park (no permit required), only persons possessi valid camping permit or residing in Algonquin may

remain in the Park after 11:00 o'clock at night.

Picnicking and Swimming Picnic grounds are located at various places along the highway. Swimmers will find good sand beaches and change houses at the picnic grounds (east and west) at Lake of Two Rivers. Parents are reminded that they are responsible for their children's safety on the beach. No pets are permitted on the beach or in the water.

Lodges Three lodges operate in the Highway 60 corridor, providing meals and overnight accommodation. The locations of Arowhon Pines, Bartlett Lodge, and Killarney Lodge are shown on the map overleaf and details may be obtained by writing to these lodges, in care of Algonquin Park Post Office, Ontario.

Campgrounds There are nine organized campgrounds along Highway 60. Please note that within three km of the public roads in the Highway 60 corridor, camping is permitted only at these campgrounds. A daily camping fee is required for each campsite (see above) and only modern laundry facilities at Lake of Two Rivers, Mew, Pog, and Canisbay campgrounds, and all of these except Canisbay have showers as well. Maps of each camp-



ground are available at their respective campground

Trailers and Recreation Vehicles Most campsites in the campgrounds along Highway 60 (but none at Opeongo) will accommodate trailers and other recreation vehicles. A trailer sanitation station is located at km 35.6. Electrical hookups are not available.

Bears Due to their exposure to human food and garbage, and to people who deliberately feed them, many bears have lost their fear of humans and will visit campgrounds in search of food. To avoid loss of food,

- the dear, experience changes observe the following commonsene rules:

 1. Never feed or approach a bear.

 2. Store all your food in the trunk of your carr.

 3. Burn all the garbage you can in your campfire, and put the rest in the containers provided.

 Supplies Gasoline may be purchased at the Portage

Supplies Gasonine inay of purchased at the Portage Store, Opengo Store, and Killarney Lodge. Some groceries and ice are sold at the Two Rivers Store, Portage Store and Opeongo Store. Meals Meals are available at the Portage Store and at

the lodges. Light lunches are also available at the Two

Canoes Canoes may be rented at the Portage Store, Opeongo Store, Killarney Lodge, and Bartlett Lodge

Things to See and Do

The Park's interpretive program consists of various services designed to help you know and appreciate Algonquin better. Specific information about upcoming program events is available on bulletin boards throughout the Park.

The Park Museum at km 20 contains exhibits of some of the Park's fish, wildlife, and geography. Theatre presentations tell the story of the Park's natural environment, geography, history, and management. The staff is always ready to answer your questions about plant and animal life. Park history, and management. The Park Museum is open on weekends from early May to mid-June, and then daily to mid-October.

The Pioneer Logging Exhibit just inside the East Gate portrays, through old photographs and pieces of equipment, the story of logging in this region, from the early square timber days to the last of the great river drives. An audio-visual program sums up the story and brings it up to the present. The exhibit is open daily from mid-June to Labour Day, and on weekends in the spring

The Raven is Algonquin Park's weekly bulletin, featuring articles on natural and human history, management, and current events in the Park. Leave your name at the Museum and we'll send you a complete set in the fall.

Interpretive Trails The locations and lengths of the nine interpretive trails along Highway 60 are marked on the map. Through the use of illustrated guide booklets (see order form) each trail is designed to explore a different aspect of the Algonquin environment

Conducted Hikes are led by Park Naturalists every day from late June to Labour Day. These consist of an hour and a half's leisurely walk, exploring and learning about some part of the Algonquin environment. Times and locations are posted on bulletin boards and listed in

Evening Programs begin at dusk every evening at the Pog Lake Outdoor Theatre (km 35.4) from late June to Labour Day. Each program lasts about an hour and a half and consists of a film, a slide talk about some aspect of the Park, a question period, and then another film. No talk or film is presented more than once every ten days. When bad weather interferes, the programs are

held at the Park Museum.

Special Events include conducted canoe outings and depending on the time of summer, bird, wildflower and mushroom hikes. Public wolf howling expeditions take place in August when an accessible wolf pack is located

the naturalist staff. Talks or Hikes for groups may be arranged at any time to meet the needs of the group by enquiring at the Park Museum

Algonquin Provincial Park 1980 Publication List and Order Form The publications listed below may be obtained at the

20, and in some cases at the gates or canoe centres. If you wish to order by mail, please fill out and detach this order form and send it with your money order (payable to Treasurer of Ontario) in Canadian funds to: Park Superintendent, Algonquin Provincial Park, Ministry of Natural Resources, Whitney, Ontario

uantity	Title	Price
Algonquin Provincial Park Canoe Routes (see description on reverse side)		\$1.00
Algonquin	Provincial Park Hiking Trails	50€
Fishing in A	Algonquin Provincial Park	\$1.00
Birds of Alg	gonquin Provincial Park	\$1.00
Mammals	of Algonquin Provincial Park	\$1.00
Reptiles and	d Amphibians of Algonquin	\$1.00
Pictorial Hi	istory of Algonquin	\$1.00
Wildflower	s of Algonquin	\$1.50
Geological	Guide to Highway 60	50¢
Whiskey Ra	apids Trail (river ecology)	20€
	Lookout Trail (hardwood gy)	20¢
Peck Lake 7	Frail (lake ecology)	20€
Hemlock Bl	luff Trail (park research)	20€
Two Rivers	Trail (forest history)	20¢
Lookout Tr	ail (park geology)	20¢
Booth's Roo	ck Trail (man's impact on park)	20€
Sprace Box	Boardwalk (spruce bog ecology	20€

Please send me the publications checked on the above list for which I enclose my money order for S_____

Beaver Pond Trail (beaver ecology)

Address

Province or State



TWO ALGONOUINS TO CHOOSE FROM

THE PARK INTERIOR

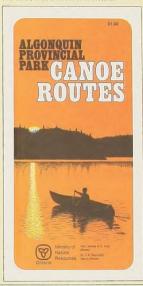
The essence of Algonquin is its vast interior of maple hills, rocky ridges, spruce bogs, and thousands of lakes, ponds, and streams. Over 1500 km of canoe routes await those who wish to explore this rugged beauty. By paddle and portage — the only way to really know Algonquin.

Sudbury - 120 km Matigwa Wild River Prov. Park North Bay o Deux Rivières South River Pembroke o Kearney (11 (60) A Ottawa 160 km Barry's Bay Dwight o ACCESS TO CANOE ROUTES Dorset The red diamonds on this map show the approximate location of the 29 access points from which Algonquin (35) canoe trips may be started (detailed directions to these access points are given in our map-brochure "Algonquin Provincial Park Canoe Routes").
Please note that the access points are merely jumping off spots for the Park Interior and that car camping is not permitted except at Kiosk, Brent, and Achray where a few sites are available on a first-come, Bancroft

CANOE ROUTE INFORMATION

CANOE ROUTE INFORMATION
Complete cancer route information is available in the
map-brochure "Algonquin Provincial Park Canoe
Routes." The map shows, at a scale of 2 miles to the
inch, the entire Park network of canoe routes, portages,
and interior campsites. Elsewhere on the map, detailed
directions are given for 29 different access points,
along with complete information on planning and
carrying out a canoe trip.

carrying out a canoe trip.
You may purchase your copy of "Algonquin
Provincial Park Canoe Routes" for \$1.00 at the
canoe centres, gates, Information Centre, or the Park
Museum. You may also fill out the order form on
the reverse side of this panel and mail it to us with



TWO ALGONOUINS TO CHOOSE FROM

THE HIGHWAY 60 CORRIDOR

For those who desire a less strenuous holiday, camping, picnicking, and other activities are available along Highway 60, which travels 56 km through the southern section of the Park. Kilometre markers at one km intervals indicate distances from the West Gate. B referring to these numbers and this map you will be able to locate park facilities quickly.

> WEST GATE Huntsville 43 km

Tea Lake Whiskey Rapids Trail Oxtongue River Picnic Grounds (no beach)

REMEMBER. TO FEED A BEAR IS TO KILL A BEAR

Feeding a bear causes it to lose its fear of humans, to become a destructive nuisance, and eventually to be shot. If you feed a bear it might as well be your

